



REMOVAL SUPPORT TEAM
EPA CONTRACT 68-W-00-113

Weston Solutions, Inc.
Federal Programs Division
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
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www.westonsolutions.com

180315



August 11, 2004

Mr. Mark Pane, On Scene-Coordinator
U.S. Environmental Protection Agency, Region II
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO: 68-W-00-113
TDD NO: 02-04-08-0015
DOCUMENT CONTROL NO: RST-02-F-04569
SUBJECT: SAMPLING TRIP REPORT - BARRY BRONZE BEARING SITE

Dear Mr. Pane:

Enclosed please find the Sampling Trip Report for the XRF field screening and soil sampling conducted on August 5, 2004, at the Barry Bronze Bearing Site, Camden, New Jersey.

If you have any questions, please do not hesitate to contact me.

Sincerely,

WESTON Solutions, Inc.

Carrie Shapiro
Site Project Manager

Enclosure

cc: TDD # 02-04-08-0015



SAMPLING TRIP REPORT

SITE NAME: Barry Bronze Bearing Site
TDD #: 02-04-08-0015
DCN #: RST-02-F-04569

EPA I.D. NO.: UX

SAMPLING DATE: August 5, 2004

1. Site Location: 2204 South 7th Street, Camden, NJ
(Refer to Figure 1)

2. Sample and Activity Descriptions: Field screening of soil samples to determine lead concentration. Locations were biased based on results from previous sampling events.

3. Laboratory Receiving Samples:

<u>Sample Type</u>	<u>Name/Address of Laboratory</u>	<u>Parameters</u>
Soil	STL Laboratories 450 William Pitt Way Pittsburgh, PA 15238	TCLP Lead

4. Sample Dispatch Data: Twelve soil samples, including one duplicate, were shipped priority overnight to STL Laboratories, via Fed-Ex airbill number 842877201573 on August 5, 2004.

5. Personnel on Site:

Name	Affiliation	Duties on-site
Mark Pane Carrie Shapiro	U.S. EPA -Region II Region II-RST	On-Scene Coordinator (OSC) Site Project Manager, XRF Field Screening, Sample Management, Site Safety Officer
Todd Kast Gezahenge Bushra	Region II-RST Region II-RST	Sample Collection, Sample Management Sample Collection

6. **Additional Comments:** Sample locations were selected by the OSC, and were biased based on XRF screening results from a prior sampling event conducted by RST in April 2004. Previous sample locations along the B-line of the original grid, that yielded lead results (~500- 2000 ppm), were re-sampled and screened with a Niton XLi XRF. Those locations within the desired range were then sampled for TCLP lead analysis. Seven samples were collected from the B-line transect of the grid from at a depth of approximately 1 foot below grade.

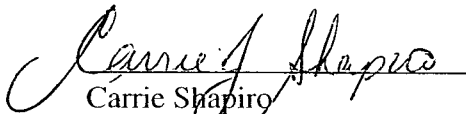
Four samples were collected from the south side of the right-of-way of the railroad tracks. The locations were selected by the OSC and spaced in accordance with the grid created during the April 2004 event. Prior to sample collection, each location was screened with the Niton XLi XRF. Samples were collected from a depth of approximately 6 inches below grade. An additional sample was taken from the west side of Seventh Street, between two prior sample locations.

The Niton XRF was used only for field screening, to bias sample locations. Samples were homogenized, and cleared of large rocks and pebbles, but were not dried prior to XRF screening.

Additional volume for MS/MSD analysis was collected with sample BBB-W75B. Sample BBB-B23B is a field duplicate of sample BBB-B22B.

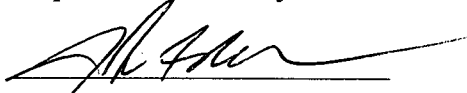
7. **WEATHER CONDITIONS:** Weather conditions were warm, about 75°F, and overcast.

8. **Report Prepared by:**


Carrie Shapiro
Site Project Manager

Date: 8/11/04

Report Reviewed by:


John Brennan
Group Leader

Date: 8/11/04

APPENDIX A

Barry Bronze Bearing Site
Camden, NJ
August 5, 2004

Chain of Custody Record

CHAIN OF CUSTODY RECORD

RFP No.:
5037
PO No.:
0045143



Removal Support Team
 EPA Contract 68-W-00-113
 Phone: (732) 225-6116 Fax: (732) 225-7037

Matrix Box No.	Preservative Box No.
1. Surface	1. HCL
2. Ground water	2. HNO ₃
3. Leachate	3. Na ₂ SO ₄
4. Rinsate	4. H ₂ SO ₄
5. Soil/Sediment	5 Other (specify)
6. Oil	6. Ice Only
7. Waste	N. Not preserved
E. Other (Specify)	*See Comments

Send verbal and written results to:
 Weston Solutions, Inc.

Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
 Attention: Smita Sumbaly, RST Analytical Coordinator

						RAS ANALYSIS						RCRA ANALYSIS				
Sample Number	Sample Collection MM/DD/YY Time	Sample Matrix (Enter Box 1)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #5)	VOA	BNA	PEST	PCBs	TAL	CN	IGW	COR	REAC	OTHER	
BBB-B16B	8/5/04 10:19	5	M	G	N										TCLP Lead	
BBB-B14B	8/5/04 10:25	5	M	G	N										TCLP Lead	
BBB-SR7B	8/5/04 10:41	5	M	G	N										TCLP Lead	
BBB-SR8B	8/5/04 10:50	5	M	G	N										TCLP Lead	
BBB-B18B	8/5/04 11:00	5	M	G	N										TCLP Lead	
BBB-SR14B	8/5/04 11:10	5	M	G	N										TCLP Lead	
BBB-SR7BB	8/5/04 11:20	5	M	G	N										TCLP Lead	
BBB-B19B	8/5/04 11:25	5	M	G	N										TCLP Lead	
BBB-W75B	8/5/04 11:30	5	M	G	N										TCLP Lead, MS/MSD	
BBB-B21B	8/5/04 11:45	5	M	G	N										TCLP Lead	
BBB-B22B	8/5/04 11:55	5	M	G	N										TCLP Lead	
BBB-B23B	8/5/04 12:05	5	M	G	N										TCLP Lead	

Comments: Extra volume for MS/MSD analysis collected for sample BBB-W75B.

Person Assuming Responsibility for Samples: Carrie Shapiro					Time/Date
Sample Number ALL	Relinquished By: <i>Carrie Shapiro</i>	Time 1610	Date 8/5/04	Received By: <i>Fed-Ex</i>	Reason for Change of Custody Lab Analysis
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

APPENDIX B

Barry Bronze Bearing
Camden, New Jersey
August 5, 2004

Fed-Ex Airbill

FedEx Express *USA Airbill*

FedEx Tracking Number **842877201573**

1 From Please print and press hard.

Date **8/6/04** Sender's FedEx Account Number

Sender's Name **CARRIE SHAPIRO** Phone **1732 1225-6116**

Company **Alston Solutions**

Address **1090 King Georges Post Road Suite 201** Dept./Floor/Suite/Room

City **Edison** State **NJ** ZIP **08837**

2 Your Internal Billing Reference First 24 characters will appear on invoice.

20301.001-002.0402

3 To
Recipient's Name

Mike Young Phone **1412 820-8380**

Company **STL Laboratories**

Address **450 William Pitt Way**

To "HOLD" at FedEx location, print FedEx address.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

City **Pittsburgh** State **Pa** ZIP **15238** Dept./Floor/Suite/Room

Try online shipping at fedex.com

By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com
or call 1.800.Go.FedEx® 800.463.3339.

Form 10/01 No **0200** **Sender's Copy**

4a Express Package Service Packages up to 150 lbs. Delivery commitment may be later in some areas.

☒ FedEx Priority Overnight Next business morning ☐ FedEx Standard Overnight Next business afternoon ☐ FedEx First Overnight Earliest next business morning delivery to select locations

☐ FedEx 2Day Second business day ☐ FedEx Express Saver Third business day
FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service Packages over 150 lbs. Delivery commitment may be later in some areas.

☐ FedEx 1Day Freight* Next business day ☐ FedEx 2Day Freight Second business day ☐ FedEx 3Day Freight Third business day

* Call for Confirmation.

5 Packaging * Declared value limit \$500

☐ FedEx Envelope* ☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak ☒ Other

6 Special Handling Include FedEx address in Section 3.

☐ SATURDAY Delivery Available ONLY for FedEx Priority Overnight and FedEx 2Day to select ZIP codes ☐ HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight ☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods?
One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry Ice, 9, UN 1845 x kg
Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging. ☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. **154581007** Exp. Date

Credit Card No.

Total Packages **1** Total Weight **38** Total Declared Value* \$ **.00**

*Our liability is limited to \$100 unless you declare a higher value. See back for details. FedEx Use Only

8 Release Signature Sign to authorize delivery without obtaining signature.

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

By Date 10/01 • Part #157612 • ©1994-2001 FedEx • PRINTED IN U.S.A. GBF 05/03

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APPENDIX C

Barry Bronze Bearing Site
Camden, New Jersey
August 5, 2004

XRF Field Screening Results for Lead

Table 1
XRF Field Screening Results
August 5, 2004

Barry Bronze Bearing Site
Camden, New Jersey

Reading No.	Sample ID	Date / Time	Duration (sec)	Pb Conc. (ppm)	Error
6	Shutter Cal.	8/5/2004 10:04	42.92	0.49	0
7	NIST2709	8/5/2004 10:07	62.37	14.07	23.94
8	NIST2710	8/5/2004 10:10	60.89	5295.2	202.82
9	NIST2711	8/5/2004 10:13	61.59	1084.52	85.76
10	BBB-B16-B	8/5/2004 10:19	61.66	714.17	71.46
11	BBB-B14-B	8/5/2004 10:24	60.89	1618.73	96.11
12	BBB-SR7-B	8/5/2004 10:41	62.87	2879.59	610.34
13	BBB-SR8-B	8/5/2004 10:47	87.58	2714.08	195.07
14	BBB-B18-B	8/5/2004 11:03	61.64	802.99	67.61
15	BBB-SR14-B	8/5/2004 11:08	72.54	1157.65	92.85
16	BBB-SR7-BB	8/5/2004 11:18	60.92	2752.87	129.85
17	BBB-B19-B	8/5/2004 11:25	61.62	325.76	48.17
18	BBB-W75-B	8/5/2004 11:28	60.92	243.09	38.26
19	BBB-B21-B	8/5/2004 11:45	60.89	209.05	37.07
20	BBB-B22-B	8/5/2004 11:53	61.61	342.57	52.59

Duration: Reading time in seconds
Pb: Lead
ppm: Parts per million
NIST 2709, 2710, 2711 : National Institute of Standards and Technology Lead Standards

FIGURE 1

Barry Bronze Bearing Site
Camden, New Jersey

Site Location Map

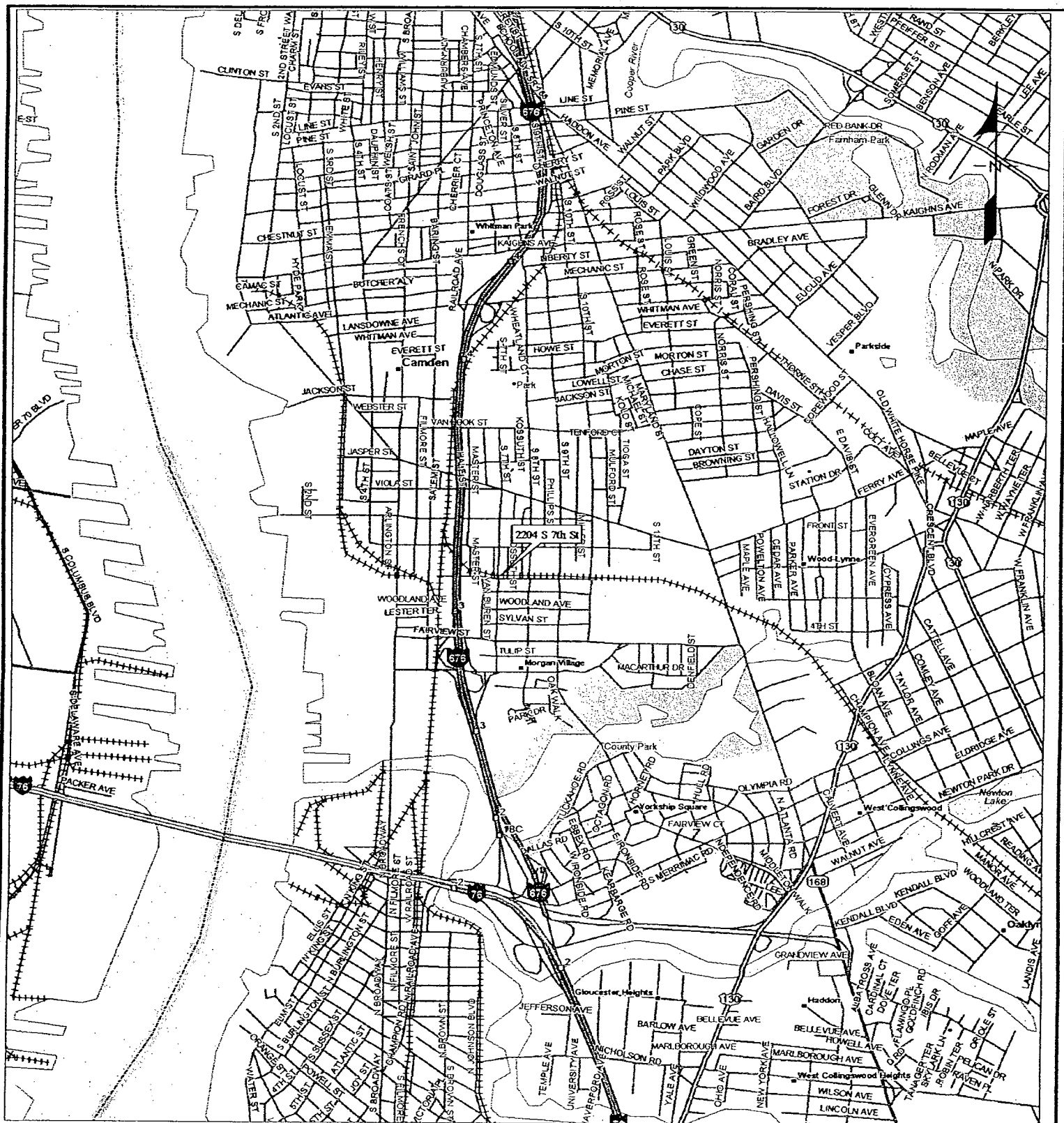


FIGURE 1
SITE LOCATION MAP
BARRY BRONZE CO. SITE
2207 SOUTH SEVENTH STREET
CAMDEN, NEW JERSEY

US ENVIRONMENTAL PROTECTION AGENCY

REMOVAL SUPPORT TEAM
 CONTRACT # 68-W-00-113

EDITED BY: V. HENSCHERGER

EPA OSC: D. ROSSOFF

SITE PROJECT MANAGER: T. KISH

FILE: D:\OWG\BARRYOVERVIEW.DWG



Weston Solutions Inc.
FEDERAL PROGRAMS DIVISION

IN ASSOCIATION WITH INNOVATIVE TECHNOLOGICAL SOLUTIONS INC.,
 SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,
 AND TERRANEAR PMC

FIGURE 2

Barry Bronze Bearing Site
Camden, New Jersey

Sample Location Map



Sample Location	ppm 6-12"
W75B	243.09

Sample Location	ppm 6-12"
B14B	1618.73
B16B	714.17
B18B	802.99
B19B	325.76
B21B	209.05
B22B	342.57

Sample Location	ppm 6"
SR7B	2879.59
SR7BB	2752.87
SR8B	2714.08
SR14B	1157.65

Street

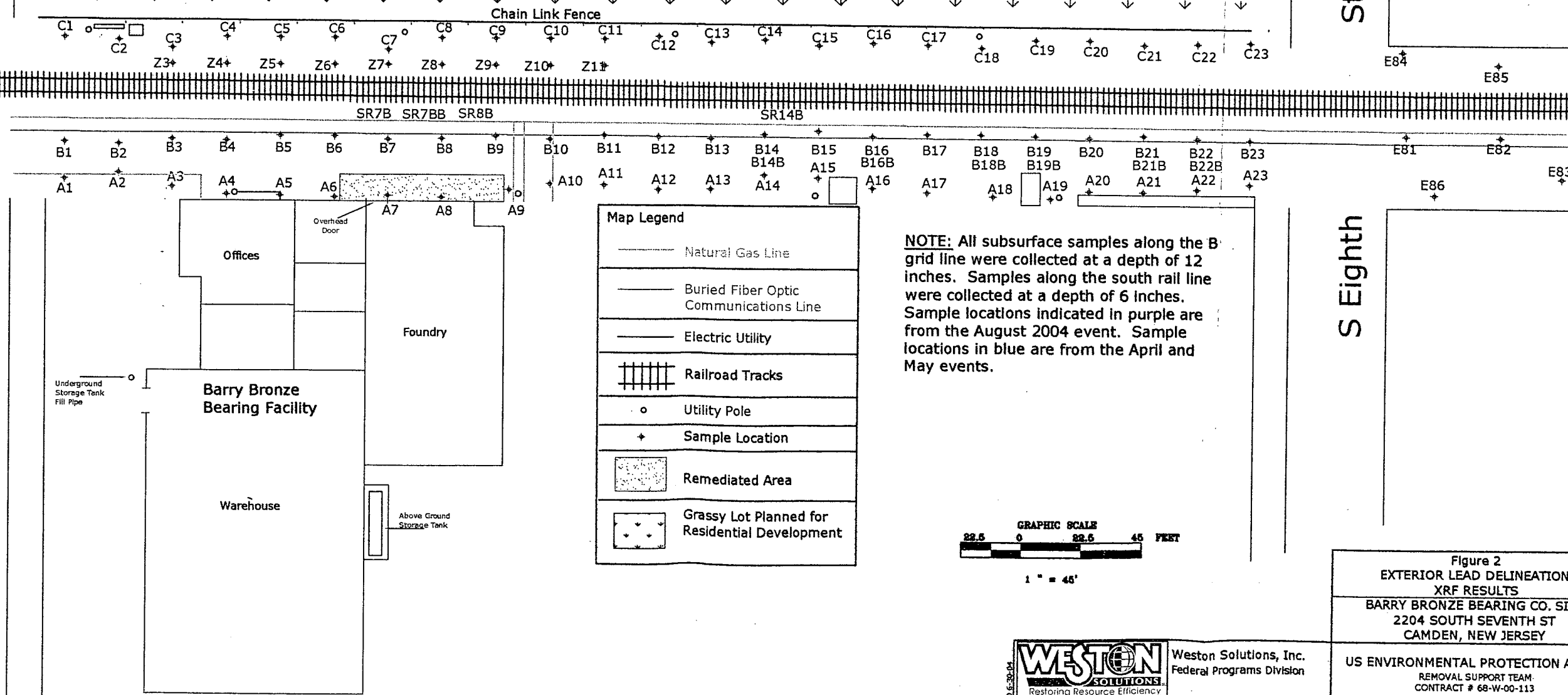
Street

W73 W74 W75B W75

W72 W71

S Seventh

S Eighth



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Federal Programs Division

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SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,
AND TERRANEAR PMC

Figure 2
EXTERIOR LEAD DELINEATION
XRF RESULTS
BARRY BRONZE BEARING CO. SITE
2204 SOUTH SEVENTH ST
CAMDEN, NEW JERSEY

US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # 68-W-00-113

DRAWN BY: T. KISH / C. SHAPIRO
EPA OSC: Mark Pane
RST SPM: C. Shapiro
FILENAME: 0804_Event.dwg